



THE CITY OF SAN DIEGO

City of San Diego
Planning & Development Review
Building Development Review
1222 First Avenue • MS-401
San Diego, CA 92101
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Building Newsletter 17-6

Off-Site Fabrication of Building Components

Interpretations of State and Local Building Codes
1998 California Building Code: Chapter 17
Revision Date: July 1999

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Building Code Reference, Sections: 1701.2, 1701.3, 1701.7

I. Purpose

This newsletter outlines procedures for the acceptance of fabrication of building components when the work is to be performed on the premises of a fabricator's shop.

It is the responsibility of the architect/engineer of record and/or the project contractor to assure that all requirements of this newsletter are satisfied.

II. Scope

These requirements are applicable to the fabrication of building components such as structural steel members, pre-cast concrete members and other building components that are required to have continuous or periodic inspection by a special inspector.

III. Registered and approved Fabricator

A. A fabricator is considered to be registered and approved by the City of San Diego Planning and Development Review when:

1. The fabricator has a current **ICBO** Evaluation Service approval in the category of Fabricator of Pre-Fabricated Buildings and Components. Address inquiries to:

International Conference
of Building Officials
5360 Workman Mill Road
Whittier, CA 90601-2298
(310) 699-0543
FAX: (310) 695-4694
Website: www.icbo.org

2. A fabricator *may* also be considered as registered and approved for fabricating a specific type of building component when it is accepted by a recognized listing agency. Evidence must be submitted and accepted by the Building Official verifying that the acceptance criteria of the listing agency are equivalent to those of the **ICBO** Evaluation Service, Inc. and that the listing agency responsible for monitoring the effectiveness of the quality control program does so for all work performed by the fabricator. Examples of such recognized listing agencies for certifying fabricators are listed below:

2.1 Structural Steel Fabrication and/or Welding:

American Institute of Steel Construction
Quality Certification Program
One East Wacker Drive, Suite 3100
Chicago, IL 60601-2001
(312) 670-2400
FAX: (312) 670-5403
Website: www.aisc.org

2.2 Fabrication of Open-Web Steel Joists and Girders

Steel Joist Institute
3127 10th Ave. North Ext.
Myrtle Beach, SC 29577
(843) 626-1995
FAX: (843) 626-5565
Website: www.steeljoist.org

2.3 Fabrication of Precast/Prestressed/Post-tensioned Concrete Building Components.

Precast/Prestressed Concrete Institute (PCI)
175 W. Jackson Blvd. Ste. 1859
Chicago, IL 60604
(312) 786-0300
FAX: (312) 786-0353
Website: www.pci.org

Post-Tensioning Institute (PTI)
1717 West Northern Avenue
Phoenix, AZ 85021
(602) 870-7540

American Concrete Institute (ACI)
P.O. Box 9094
Farmington Hills, MI 48333
(248) 848-3780
FAX: (248) 848-3701
Website: www.aci-int.org

Continuous special inspection is NOT required when the work is performed on the premises of a registered and approved fabricator subject to compliance with the following conditions:

1. All fabricated components delivered to the job site shall be marked or labeled to clearly identify their origin and when appropriate, their intended location in the structure.
2. After fabrication of components are completed, a 'Certificate of Compliance' for off-site fabrication form is submitted. See Section V below.
3. Fabricators approved to perform off-site fabrication under section A(2) above, must also submit a copy of their current approval from the recognized listing agency to the Inspection Services Division.

IV. Non-Registered Fabricator

- A. A fabricator not qualified under Section III above, is NOT considered to be registered with this department. However, such fabricators *may* be permitted to perform shop fabrication of components for buildings and structures subject to compliance with the following conditions:

1. "Application to Perform Off-Site Fabrication" is submitted to the Inspection Services Division for approval prior to commencing fabrication of any component for the structure(s). Application Forms for this purpose are available from the Inspection Services Division.

A separate application must be submitted to the Inspection Services division for review and approval for each individual permitted job.

2. Continuous special inspection (or periodic special inspection as noted and scheduled on the approved plans) is required to be performed by a special inspector certified by Inspection Services Division. See Section VI below.
3. After fabrication of components are completed, "Certificate of Compliance" for off-site fabrication form is submitted. See Section V below.

V. Certification of Compliance for off-site Fabrication

When components are shop fabricated, the fabricator shall issue a "Certificate of Compliance" for off-site fabrication form.

Such form states that the fabricated components comply with the approved plans, specifications and applicable regulations. This certificate shall be submitted to the Inspection Services Division and the architect/engineer of record prior to shipment of pre-fabricated building components. A copy of this certificate shall also accompany the pre-fabricated components when shipped to the job-site. This form may be obtained from the Inspection Services Division.

VI. Special Inspection

Special inspections (continuous or periodic) must be performed by special inspectors certified by the Inspection Services Division of the City of San Diego, Planning and Development Review Department.

A list of approved construction materials testing laboratories and special inspection agencies is available from Inspection Services.

VII. Construction Materials Testing Laboratories

When Testing of fabricated building components is required by the Building Code, it must be conducted by testing laboratories approved by the Inspection Services Division of the City of San Diego.

A list of approved construction materials testing laboratories and special inspection agencies is available from Inspection Services.

VIII. Limitations

Components shall NOT be shipped NOR erected unless they are in full compliance with the requirements of the Building Code, approved plans and specifications and other regulations. In addition, all forms must be properly filed and approved by the Inspection Services Division.

IX. Questions

For questions regarding special inspection, structural observation, materials testing and off-site fabrication you may contact Inspection Services at (858) 492-5070 or by fax at (858) 492-5098.